

4. Please replace the last paragraph on page 15 with the following paragraph:

In one embodiment, after the table lookup, the call prediction may become the counter with the largest value. For example, ~~for~~ if a history of past callers is 231, then the index may become 15 and the call prediction may predict the caller 2 as the next caller. In one embodiment, the table may be updated if the call prediction was correct.

5. Please replace the <sup>second</sup> ~~fifth~~ paragraph on page <sup>17</sup> ~~16~~ with the following paragraph:

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For example, for a past call history of 12341234, the first equality is true, and the periodic caller prediction may select 4 as the prediction 20. Similarly, for a history of 02345602, the third equality is true, and periodic caller prediction may select 6 as the prediction 20. These comparisons assume that the period of the calling sequence is contained in the call history register 10, and that call prediction latency is equal to the length of the call history register 10 if the period or the calling sequence changes.